

IN THE CLAIMS

A listing of all claims and their current status in accordance with 37 C.F.R. § 1.121(c) is provided below.

1. (currently amended) A vehicle navigation system, comprising:

a vehicle; and

a navigation system housed in the vehicle, the navigation system comprising:

~~a processor~~[[,]] a signal processor having a memory;

a positioning system coupled to the signal processor, the positioning system

configured to determine ~~for determining~~ position data relating to a location
of the vehicle; and

~~a memory coupled to the processor to store data for the processor; and~~

a program ~~for use by the processor~~ stored in the memory and configured to:

calculate at least one optimal route based on position data and destination
data;

provide the at least one optimal route to an operator;

determine if position data and destination data correspond to an operator
preferred route stored in the memory;

provide the operator preferred route to the operator if the position data and

destination data correspond to the operator preferred route; and

~~update the operator preferred route by monitoring the position data~~

allow the operator to select the preferred route or the at least one optimal
route.

2. (currently amended) The vehicle navigation system, as set forth in claim 1, wherein the ~~navigation system comprises a display for providing images to an operator of the vehicle~~ program is configured to update the operator preferred route by monitoring the position data.

3. (original) The vehicle navigation system, as set forth in claim 1, wherein the navigation system comprises a user interface configured to facilitate entry of the destination data by a vehicle operator.

4. (original) The vehicle navigation system, as set forth in claim 3, wherein the user interface comprises a keyboard and a display.

5. (currently amended) The vehicle navigation system, as set forth in claim 1, wherein the operator preferred route is defined by the number of times that a specific route is utilized.

6. (original) The vehicle navigation system, as set forth in claim 1, wherein the operator preferred route is defined by the operator based on preferences of the operator.

7. (currently amended) A system, comprising:

a vehicle having a navigation system; and

a navigation server adapted to communicate with the navigation system via a network, the

navigation server having a program that is adapted to:

generate an optimal route from an origination location to a destination location;

access a client profile stored in a memory that is coupled to the navigation server to
determine whether ~~[[a]]~~ an operator preferred route is defined; ~~[[and]]~~
provide ~~at least one of~~ the optimal route and the preferred route to the operator of
the vehicle; and
allow the operator to select the preferred route or the optimal route.

8. (original) The system, as set forth in claim 7, wherein the network comprises a satellite link between the navigation system and the navigation server.

9. (original) The system, as set forth in claim 7, wherein the network comprises a cellular node between the navigation system and the navigation server.

10. (original) The system, as set forth in claim 7, wherein the program interacts with a traffic server to integrate traffic data with the origination location and the destination location to generate the optimal route.

11. (original) The system, as set forth in claim 7, wherein the program interacts with an information server to integrate mapping data with the origination location and the destination location to generate the optimal route.

12. (currently amended) A system, comprising:

a processor;

a positioning module in communication with the processor and configured to determine for

~~determining~~ location data that relates to a location of a device;

an interface module adapted to communicate data to a user of the device; and

a routine utilized by the processor, the routine configured to:

utilize location data from the positioning module;

utilize destination data provided to the interface module;

determine whether the location data and the destination data correspond to a defined

route stored in memory;

provide the defined route if the location data and destination data correspond to the

defined route;

generate an optimal route ~~if the location data and the destination data do not~~

~~correspond to the defined route; [[and]]~~

provide the optimal route ~~if the location data and the destination data do not~~

~~correspond to the defined route~~ along with the preferred route to an operator;

and

allow the operator to select the preferred route or the optimal route.

13. (original) The system, as set forth in claim 12, comprising a communication module that is coupled to the processor and configured to exchange data with a system external to the device.

14. (original) The system, as set forth in claim 13, wherein the routine is further adapted to exchange navigation data and location data via the communication module with the external system via a wireless link.

15. (original) The system, as set forth in claim 12, wherein the interface module utilizes hands-free voice capability.

16. (original) The system, as set forth in claim 12, wherein the interface module comprises a keyboard and display.

17. (original) The system, as set forth in claim 12, wherein the positioning module is a global positioning system.

18. (currently amended) A method of ~~operating~~ operation of a navigation system, the method comprising the acts of:

~~entering~~ receiving a destination location ~~at a device;~~

receiving an origination location;

determining if the origination location has been utilized with the destination location based on stored data;

providing a default route if a default route has been defined in memory;

generating an optimal route ~~if the default route is not defined for the origination location and the destination location; and~~

providing an optimal route ~~if a default route is not defined~~ along with the default route to
a user; and
allowing the user to select the default route or the optimal route.

19. (original) The method, as set forth in claim 18, comprising setting a default route if a condition is set.

20. (original) The method, as set forth in claim 19, comprising setting the condition if the number of times the origination location has been utilized with the destination location is greater than or equal to a specific number of times.

21. (currently amended) The method, as set forth in claim 19, comprising setting the condition if ~~[[a]]~~ the user enters that an actual route is a default route.

22. (original) The method, as set forth in claim 18, comprising monitoring an actual route from the origination location to the destination location.

23. (original) The method, as set forth in claim 18, wherein determining further comprises accessing stored data in a database external to the device.

24. (original) The method, as set forth in claim 18, wherein determining further comprises accessing stored data in memory within the device.

25. (currently amended) A method of ~~operating~~ operation of a navigation system, the method comprising the acts of:

- ~~entering~~ receiving destination data ~~[[into]]~~ from a user interface of a vehicle;
- receiving origination data;
- communicating the origination data and the destination data to a server via a network;
- accessing a client profile;
- comparing the client profile with the origination data and the destination data;
- determining if the origination data and the destination data correspond to a defined route in the client profile that is based on a user's experience and knowledge;
- generating an optimal route ~~if the origination data and the destination data do not correspond to the defined route; [[and]]~~
- communicating ~~at least one of~~ the optimal route and the user defined route to the ~~vehicle~~ user; and
- allowing the user to select the user defined route or optimal route.

26. (original) The method, as set forth in claim 25, comprising presenting the at least one of the optimal route and the user defined route to an operator of the vehicle.

27. (original) The method, as set forth in claim 25, comprising setting the user defined route if a number of times a route is associated with the origination data and the destination data is greater than or equal to a specific value.

28. (original) The method, as set forth in claim 25, wherein communicating comprises utilizing a satellite link between the server and the vehicle.

29. (original) The method, as set forth in claim 25, comprises monitoring an actual route from an origination location that corresponds to the origination data to a destination location that corresponds to the destination data.

30. (original) The method, as set forth in claim 25, wherein generating the optimal route is automatically calculated based on a predefined routine.

31. (currently amended) A method of manufacturing a navigation system comprising the acts of:

providing a navigation system comprising a processor and a memory;

coupling a user interface to the processor, the user interface configured to enter for

entering data from an operator;

coupling a positioning module to the processor, the positioning module configured to
determine for determining location data;

coupling a display to the processor, the display configured to present for presenting route
data to [[an]] the operator; and

coupling a memory to the processor; and

providing configuring a program within the memory that is adapted to:

receive destination data from the user interface;

receive origination data from one of the positioning module and the user interface;

present a preferred route if ~~[[with]]~~ the origination data and the destination data correspond to the preferred route;
generate at least one optimal route ~~if the origination data and the destination data do not correspond to the preferred route; [[and]]~~
present the optimal route and ~~if with the origination data and the destination data do not correspond to the preferred route~~ to the operator; and
allow the operator to select the preferred route or the optimal route.

32. (original) The method, as set forth in claim 31, comprises coupling a communications module to the processor.

33. (original) The method, as set forth in claim 32, comprises configuring the program to communicate with an external server to download traffic data via the communications module.

34. (original) The method, as set forth in claim 32, comprises configuring the program to communicate with an external server to download construction data via the communications module.

35. (new) The vehicle navigation system, as set forth in claim 1, wherein the program is configured to allow the operator to enter the preferred route.

36. (new) The system, as set forth in claim 7, wherein the program is adapted to allow the operator to enter the preferred route.

37. (new) The system, as set forth in claim 7, wherein the program learns the preferred route based on vehicle position information.

38. (new) The system, as set forth in claim 12, wherein the program is adapted to allow the user to enter the defined route.

39. (new) The system, as set forth in claim 12, wherein the program learns the defined route based on vehicle position information.

40. (new) The method, as set forth in claim 18, comprising allowing the user to enter the default route.

41. (new) The method, as set forth in claim 18, comprising learning the default route based on vehicle position information.

42. (new) The method, as set forth in claim 25, comprising allowing the user to enter the defined route.

43. (new) The method, as set forth in claim 25, comprising learning the defined route based on vehicle position information.

44. (new) The method, as set forth in claim 31, wherein the program is adapted to allow the operator to enter the preferred route.

45. (new) The method, as set forth in claim 31, wherein the program is adapted to learn the preferred route based on vehicle position information.